

For Research Use Only

CoraLite®594-conjugated ERK1/2 Monoclonal antibody



Catalog Number: **CL594-67170**

Basic Information

Catalog Number: CL594-67170	GenBank Accession Number: NM_002746	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 5595	CloneNo.: 1A3D3
Source: Mouse	UNIPROT ID: P27361	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
Isotype: IgG2a	Full Name: mitogen-activated protein kinase 3	
	Calculated MW: 38-43 kDa	

Applications

Tested Applications:
Species Specificity:
Human, Mouse, Rat

Background Information

ERK1 and ERK2 belongs to the protein kinase superfamily. It is involved in both the initiation and regulation of meiosis, mitosis, and postmitotic functions in differentiated cells by phosphorylating a number of transcription factors such as ELK-1. ERK1/2 catalized the reaction: ATP + a protein = ADP + a phosphoprotein. It is activated by tyrosine phosphorylation in response to INS and NGF. This antibody can recognize both ERK1 and ERK2 with the molecular mass of 38-44 kDa.

Storage

Storage:
Store at -20°C. Avoid exposure to light.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
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